



U.S. Department
of Transportation
**Research and
Special Programs
Administration**

400 Seventh St., S.W.
Washington, D.C. 20590

APR 26 2001

DOT-E 11827
(NINETEENTH REVISION)

EXPIRATION DATE: January 31, 2003

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Nippon Riku-un Sangyo Co., Ltd.
Tokyo, Japan
(US Agent: NRS America Inc., White Plains, NY)

(See Appendix A to this exemption for additional grantees)
2. PURPOSE AND LIMITATION:
 - a. This exemption authorizes the transportation in commerce of certain lined DOT Specification IM 101 portable tanks and UN standard UN 31A Intermediate Bulk Containers (IBCs) which are not subject to the internal visual inspections required by §§ 173.32b(b)(1) or 180.352(b)(3). This exemption provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein.
 - b. The safety analyses performed in development of this exemption only considered the hazards and risks associated with transportation in commerce.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR §§ 173.32b(b)(1) and 180.352(b)(3) in that internal visual inspection is not required.
5. BASIS: This exemption is based on the application of Nippon Riku-un Sangyo Co., Ltd., dated March 19, 2001, submitted in accordance with § 107.109 and supplemental information dated March 28, 2001.

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Proper Shipping Name / Hazardous materials description	Hazard Class/ Division	Identification Number	Packing Group
Sulfuric acid with more than 51% acid	8	UN1830	II
Hydrogen Peroxide, aqueous solutions with more than 40% but not more than 60% hydrogen peroxide	5.1	UN2014	II
Ammonia solutions, relative density between 0.880 and 0.957 at 15°C in water, with more than 10% but not more than 35% ammonia.	8	UN2672	III
Hydrochloric acid, solution	8	UN1789	II
Phosphoric acid	8	UN1805	III
Nitric Acid	8	UN2031	II
Isopropanol	3	UN1219	II
Ammonium Fluoride, aqueous	6.1	UN2505	III
Corrosive liquid, basic, organic, n.o.s. (tetramethylammonium hydroxide)	8	UN3267	III
Tetramethylammonium hydroxide	8	UN1835	II
Hydrofluoric Acid, solution	8	UN1790	II

7. SAFETY CONTROL MEASURES:a. PACKAGING - Packagings prescribed are:

- (1) Fluoroclad PTFE lined UN standard IM 101 portable tanks or UN31A Intermediate Bulk Containers.
- (2) All tanks and IBCs must be in dedicated service.
- (3) Each tank used under this exemption must be identified in writing to the Office of Hazardous Materials Exemptions and Approvals (OHMEA).

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b. TESTING -

(1) Each portable tank must be tested and inspected as specified for DOT IM 101 portable tanks in § 173.32b except that the internal visual inspection is waived. In lieu of opening the tanks for internal inspection, the lining inspection procedure recommended by Nisshin Gulf Coast, Inc. or Nisshin Corporation (lining installers) on file with the OHMEA must be followed. The procedure is summarized as follows:

(i) Collect analysis data for Fe contamination of the last five loadings of the portable tank as measured by ICP-MS or GFAA.

(ii) Compare these values to the Fe contamination levels of the chemical before it was introduced to the portable tank.

(iii) If the after-filling contamination levels are 50 ppb or greater than the corresponding values before-filling, a defect in the tank lining is indicated. If the exterior valves, piping, etc. used to load the tank are free from defects, and any other possible sources of contamination have been eliminated, the tank lining must be inspected visually and by spark testing.

(2) Each IBC must be tested and inspected as specified for UN 31A IBCs in § 180.352(b) except that the internal visual inspection is waived. In lieu of opening the tanks for internal inspection, the lining inspection procedure recommended by Sun Floro Systems Co., Ltd. (lining installers) on file with the OHMEA must be followed. The procedure is summarized as follows:

(i) Collect analysis data for Fe contamination of the last five loadings of the portable tank as measured by ICP-MS or GFAA.

(ii) Compare these values to the Fe contamination levels of the chemical before it was introduced to the IBC.

(iii) If the after-filling contamination levels are 50 ppb or greater than the corresponding values before-filling, a defect in the IBC is indicated. If the exterior valves, piping, etc.

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used to load the tank are free from defects, and any other possible sources of contamination have been eliminated, the IBC must be inspected visually and by spark testing.

c. OPERATIONAL CONTROLS - The exemption holder must maintain records of product contamination for each shipment, as described above. The analysis of product contamination must be completed before the tank or IBC is refilled and, in any case, within 15 days after the lading is unloaded. Records of contamination analysis must be retained for at least the five most recent shipments.

8. SPECIAL PROVISIONS:

a. A person who is not a holder of this exemption who receives a package covered by this exemption may reoffer it for transportation provided no modifications or changes are made to the package and it is reoffered for transportation in conformance with this exemption and the HMR.

b. MARKING - Each portable tank or IBC must be plainly marked on both sides near the middle, in letters at least two inches high on a contrasting background, "DOT-E 11827".

c. This exemption serves as a Competent Authority Approval (CA-9704004) issued by the Associate Administrator for Hazardous Materials Safety of the United States Department of Transportation, in accordance with Section 13.1.19.6, Section 26.4.7.1.2 and Section 26.4.7.2.1 of the General Introduction to the International Maritime Dangerous Goods (IMDG) Code.

d. A current copy of this exemption must be maintained at each facility where the package is offered or reoffered for transportation.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle and cargo vessel.

10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each cargo vessel or motor vehicle used to transport packages covered by this exemption.

11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:

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- o All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
- o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this exemption, including display of its number, when this exemption has expired or is otherwise no longer in effect.

12. REPORTING REQUIREMENTS: The carrier is required to report any incident involving loss of packaging contents or packaging failure to the Associate Administrator for Hazardous Materials Safety (AAHMS) as soon as practicable. (Sections 171.15 and 171.16 apply to any activity undertaken under the authority of this exemption.) In addition, the holder(s) of this exemption must inform the AAHMS, in writing, of any incident involving the package and shipments made under the terms of this exemption.

Issued in Washington, D.C.:



Robert A. McGuire

for Associate Administrator for
Hazardous Materials Safety

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(DATE)

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Research and Special Programs Administration, Department of Transportation, Washington, D.C. 20590.
Attention: DHM-31.

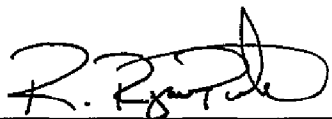
The original of this exemption is on file at the above office. Photo reproductions and legible reductions of this exemption are permitted. Any alteration of this exemption is prohibited.

Copies of exemptions may be obtained from the AAHMS, U.S. Department of Transportation, 400 7th Street, S.W., Washington, DC 20590-0001, Attention: Records Center, 202-366-5046.

PO: sln

The following are hereby granted party status to this exemption based on their application(s) submitted in accordance with §§ 107.107 or 107.109, as appropriate:

Company Name City/State	Application Date	Issue Date	Expiration Date
Kanto Corporation Portland, OR	Apr 23, 2001, Apr 24, 2001 & Apr 25, 2001	APR 26 2001	Jan 31, 2003
Merck-Kanto Advanced Chemicals Ltd. Taoyuan, Taiwan U.S. AGENT: NRS America Inc. White Plains, NY	Mar 19, 2001, Mar 28, 2001 & Apr 10, 2001	APR 26 2001	Jan 31, 2003
Solvay Interlox, Inc. Houston, TX	Jan 24, 2001	Feb 21, 2001	Jan 31, 2003
Texas Ultra Pure, Inc. Mansfield, TX	Mar 28, 2001, Mar 30, 2001 & Apr 25, 2001	APR 26 2001	Jan 31, 2003



for Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety